

September 10, 2020

Chief Clerk
Illinois Commerce Commission
527 E. Capitol Ave.
Springfield, IL 62701

RE: Hudson Energy Part 421 Environmental Disclosure

Dear Elizabeth Rolando,

Pursuant to Section 16-127 of the Electric Service Customer Choice and Rate Relief Law of 1997 and the rule of the Illinois Commerce Commission, 83 Ill. Adm. Code 421, Hudson Energy Services, LLC (“Hudson Energy”) submits the Environmental Disclosure Statements for the 12 months ending June 30, 2020.

Due to the global COVID-19 epidemic and the presence of COVID-19 cases in Illinois, the Governor declared a Public Health Emergency on March 9, 2020 and directed businesses and the government to prevent or minimize the spread of COVID-19. Similar acts were taken by other U.S. Governors. For this reason, Just Energy and many other businesses have closed their offices and as a result, have limited access to obtaining wet signatures, accessing notaries and mailing facilities. Just Energy is therefore submitting the enclosed Environmental Disclosure Quarterly Report with a certificate of oath in lieu of the normal notarization.

Sincerely,



Inger Goodman
Regulatory Affairs Manager
(714) 425-1063
igoodman@justenergy.com

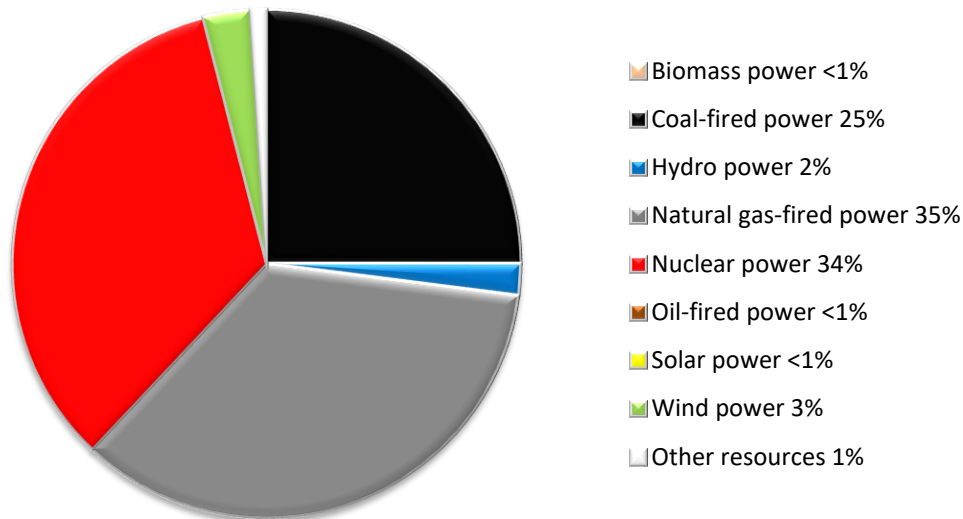
Important Information about your Electricity Sources

As a certified Alternative Electricity Supplier, Hudson Energy Services, LLC. (“Hudson Energy”) is required to provide its customers with Environmental Disclosure Information quarterly under Section 16-127 of the Electric Service Customer Choice and Rate Relief Law of 1997 and the rule of the Illinois Commerce Commission, 83 Ill. Adm. Code 421.

The information contained herein provides a breakdown of different electricity generation sources delivered to our customers through the PJM interconnection.

Sources of Electricity Supplied for the 12 months ending June 30, 2020	Percentage of Total
Biomass power	Biomass power <1%
Coal-fired power	Coal-fired power 25%
Hydro power	Hydro power 2%
Natural gas-fired power	Natural gas-fired power 35%
Nuclear power	Nuclear power 34%
Oil-fired power	Oil-fired power <1%
Solar power	Solar power <1%
Wind power	Wind power 3%
Other resources	Other resources 1%

Source of Electricity Supplied for the 12 Months Ending June 30, 2020



AVERAGE AMOUNTS OF EMISSIONS¹ and AMOUNT OF NUCLEAR WASTE per 1000 kilowatt-hours (kWh) PRODUCED from KNOWN² SOURCES for the 12 months ending 06/30/2020

Carbon Dioxide	732.7493 lbs
Nitrogen Oxides	0.3206 lbs
Sulfur Dioxide	0.3615 lbs
High-Level Nuclear Waste	Unknown
Low-Level Nuclear waste	Unknown

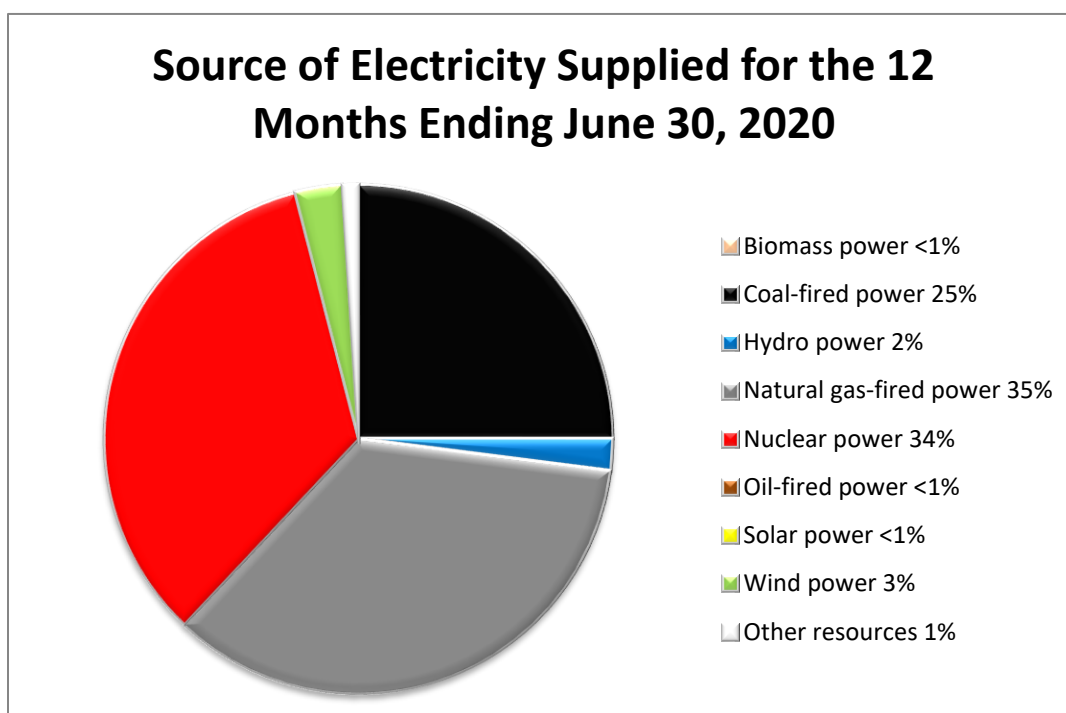
*Additional information on companies selling electrical power in Illinois may be found at the Illinois Commerce Commission's World Wide Website (<https://www.icc.illinois.gov/>)

¹ These figures are reflective of the "PJM System Mix". The PJM System Mix is the collective generation produced within the PJM interconnection, which is the regional transmission organization that maintains safety, reliability, and security of the transmission system and operates an efficient and effective wholesale electric market in 13 states and the District of Columbia. All accounts served by Hudson Energy are within the PJM System Footprint.

² 100% of the total electricity was supplied from the PJM Interconnection and the amounts of emissions are known, however the amount of nuclear waste attributable to producing this electricity is not known and is not included in this table.

Environmental Disclosure Statement
Exhibit A

Sources of Electricity Supplied for the 12 months ending June 30, 2020	Percentage of Total
Biomass power	Biomass power <1%
Coal-fired power	Coal-fired power 25%
Hydro power	Hydro power 2%
Natural gas-fired power	Natural gas-fired power 35%
Nuclear power	Nuclear power 34%
Oil-fired power	Oil-fired power <1%
Solar power	Solar power <1%
Wind power	Wind power 3%
Other resources	Other resources 1%

Exhibit B


**AVERAGE AMOUNTS OF EMISSIONS¹ and AMOUNT OF NUCLEAR WASTE per 1000
kilowatt-hours (kWh) PRODUCED from KNOWN² SOURCES for the 12 months ending
06/30/2020**

Exhibit C

Carbon Dioxide	732.7493 lbs
Nitrogen Oxides	0.3206 lbs
Sulfur Dioxide	0.3615 lbs
High-Level Nuclear Waste	Unknown
Low-Level Nuclear waste	Unknown

*Additional information on companies selling electrical power in Illinois may be found at the Illinois Commerce Commission's World Wide Website (<https://www.icc.illinois.gov/>)

¹ These figures are reflective of the "PJM System Mix". The PJM System Mix is the collective generation produced within the PJM interconnection, which is the regional transmission organization that maintains safety, reliability, and security of the transmission system and operates an efficient and effective wholesale electric market in 13 states and the District of Columbia. All accounts served by Hudson Energy are within the PJM System Footprint.

² 100% of the total electricity was supplied from the PJM Interconnection and the amounts of emissions are known, however the amount of nuclear waste attributable to producing this electricity is not known and is not included in this table.

Fuel	# of Certificates	Percentage By Fuel	Carbon Dioxide	Nitrogen Oxides	Sulphur Dioxides
Biomass - Other Biomass Gases	1,221	0.0007	0.0004	0	0
Captured Methane - Coal Mine Gas	55,249	0.0302	0.3365	0.0002	0
Captured Methane - Landfill Gas	498,479	0.2727	0.379	0.0003	0.001
Coal - Bituminous and Anthracite	28,974,349	15.849	335.8185	0.2064	0.2897
Coal - Sub-Bituminous	1,550,469	0.8481	17.8732	0.0115	0.0274
Coal - Waste/Other	1,041,990	0.57	16.1431	0.0095	0.0258
Energy Storage Resource	160	0	0	0	0
Fuel Cell - Non-Renewable	57,002	0.0312	0	0	0
Gas - Natural Gas	70,767,504	38.7096	341.141	0.0585	0.0039
Gas - Other	156,798	0.0858	0.5376	0.0001	0
Gas - Propane	783	0.0004	0.0115	0	0
Hydro - Conventional	3,173,717	1.736	0	0	0
Nuclear	67,198,213	36.7574	0	0	0
Oil - Distillate Fuel Oil	14,608	0.008	0.1347	0.0005	0.0002
Oil - Jet Fuel	19	0	0.0002	0	0
Oil - Petroleum Coke	284,729	0.1557	4.3616	0.0015	0.0071
Oil - Residual Fuel Oil	399	0.0002	0.0068	0.0003	0.0001
Other	9,111	0.005	0.1014	0.0002	0.0006
Solar - Photovoltaic	1,185,502	0.6485	0	0	0
Solid Waste - Municipal Solid Waste	1,033,059	0.5651	13.5628	0.0232	0.0056
Solid Waste - Tire Derived Fuel	5,353	0.0028	0.0785	0	0
Wind	6,617,162	3.6196	0	0	0
Wood - Black Liquor	36,659	0.0201	0.0438	0.0074	0.0001
Wood - Wood/Wood Waste Solids	159,585	0.0873	2.3157	0.0013	0.0001
Total	182,815,406	100	732.7493	0.3206	0.3615

Fuel	Percentage	
Biomass	<1%	0.0007
Coal - fired power	25	17.2671
Hydro Power	2	1.7360
Natural Gas - fired power	35	38.7958
Nuclear Power	34	36.7574
Oil-fired power	<1%	0.1639
Solar Power	<1%	0.6485
Wind Power	3	3.6196
Other resources	1	1.0144
Total	100.00	100.0034

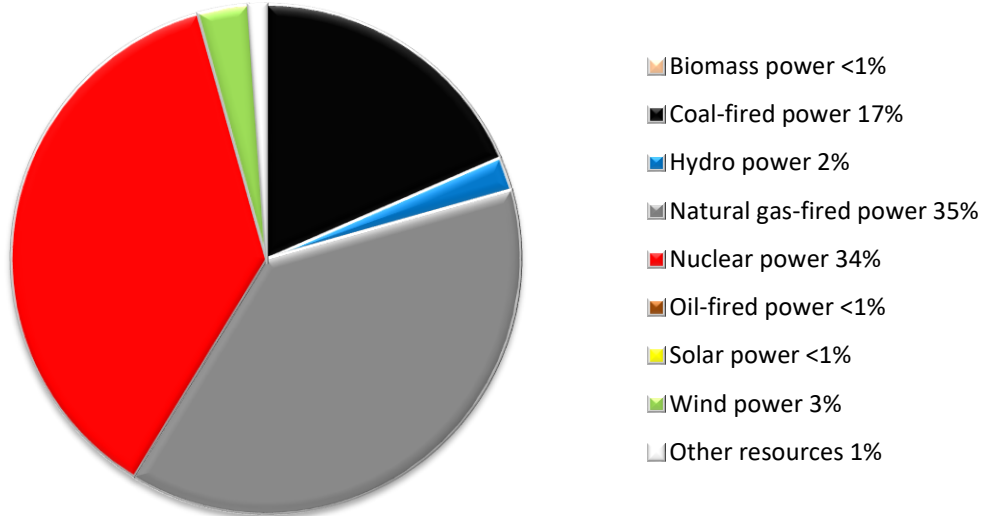
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Biomass power	Biomass power <1%	<1%
Coal-fired power	Coal-fired power 17%	0.17
Hydro power	Hydro power 2%	0.02
Natural gas-fired power	Natural gas-fired power 35%	0.35
Nuclear power	Nuclear power 34%	0.34
Oil-fired power	Oil-fired power <1%	<1%
Solar power	Solar power <1%	<1%
Wind power	Wind power 3%	0.03
Other resources	Other resources 1%	0.01

Source of Electricity Supplied for the 12 Months Ending June 30, 2020



Fuel	# of Certifica	Percentage	Carbon Dic	Nitrogen O	Sulphur Dioxides
Biomass - Other Biomass Gases	1,221	0.0007	0.0004	0	0
Captured Methane - Coal Mine Gas	55,249	0.0302	0.3365	0.0002	0
Captured Methane - Landfill Gas	498,479	0.2727	0.379	0.0003	0.001
Coal - Bituminous and Anthracite	28,974,349	15.849	335.8185	0.2064	0.2897
Coal - Sub-Bituminous	1,550,469	0.8481	17.8732	0.0115	0.0274
Coal - Waste/Other	1,041,990	0.57	16.1431	0.0095	0.0258
Energy Storage Resource	160	0	0	0	0
Fuel Cell - Non-Renewable	57,002	0.0312	0	0	0
Gas - Natural Gas	70,767,504	38.7096	341.141	0.0585	0.0039
Gas - Other	156,798	0.0858	0.5376	0.0001	0
Gas - Propane	783	0.0004	0.0115	0	0
Hydro - Conventional	3,173,717	1.736	0	0	0
Nuclear	67,198,213	36.7574	0	0	0
Oil - Distillate Fuel Oil	14,608	0.008	0.1347	0.0005	0.0002
Oil - Jet Fuel	19	0	0.0002	0	0
Oil - Petroleum Coke	284,729	0.1557	4.3616	0.0015	0.0071
Oil - Residual Fuel Oil	399	0.0002	0.0068	0.0003	0.0001
Other	9,111	0.005	0.1014	0.0002	0.0006
Solar - Photovoltaic	1,185,502	0.6485	0	0	0
Solid Waste - Municipal Solid Waste	1,033,059	0.5651	13.5628	0.0232	0.0056
Solid Waste - Tire Derived Fuel	5,353	0.0028	0.0785	0	0
Wind	6,617,162	3.6196	0	0	0
Wood - Black Liquor	36,659	0.0201	0.0438	0.0074	0.0001
Wood - Wood/Wood Waste Solids	159,585	0.0873	2.3157	0.0013	0.0001
Total	828,082,617	100	866.5205	0.4647	0.6074

Fuel	# of Certificates	Percentage By Fuel	Carbon Dioxide	Nitrogen Oxides	Sulphur Dioxides
Biomass - Other Biomass Gases	1,221	0.0007	0.0004	0.0000	0.0000
Captured Methane - Coal Mine Gas	55,249	0.0302	0.3365	0.0002	0.0000
Captured Methane - Landfill Gas	498,479	0.2727	0.3790	0.0003	0.0010
Coal - Bituminous and Anthracite	28,974,349	15.8490	335.8185	0.2064	0.2897
Coal - Sub-Bituminous	1,550,469	0.8481	17.8732	0.0115	0.0274
Coal - Waste/Other	1,041,990	0.5700	16.1431	0.0095	0.0258
Fuel Cell - Non-Renewable	57,002	0.0312	0.0000	0.0000	0.0000
Gas - Natural Gas	70,767,504	38.7096	341.1410	0.0585	0.0039
Gas - Other	156,798	0.0858	0.5376	0.0001	0.0000
Hydro - Conventional	3,173,717	1.7360	0.0000	0.0000	0.0000
Nuclear	67,198,213	36.7574	0.0000	0.0000	0.0000
Oil - Distillate Fuel Oil	14,608	0.0080	0.1347	0.0005	0.0002
Oil - Petroleum Coke	284,729	0.1557	4.3616	0.0015	0.0071
Other	9,111	0.0050	0.1014	0.0002	0.0006
Solar - Photovoltaic	1,185,502	0.6485	0.0000	0.0000	0.0000
Solid Waste - Municipal Solid Waste	1,033,059	0.5651	13.5628	0.0232	0.0056
Wind	6,617,162	3.6196	0.0000	0.0000	0.0000
Wood - Black Liquor	36,659	0.0201	0.0438	0.0074	0.0001
Wood - Wood/Wood Waste Solids	159,585	0.0873	2.3157	0.0013	0.0001
Total	182,815,406	100.0000	732.7493	0.3206	0.3615

CERTIFICATE OF OATH

Hudson Energy Services, LLC.

Under penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument, Illinois Quarterly Environmental Disclosure, are true and correct, except as to matters therein stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that she/he verily believes the same to be true.



Name: Inger Goodman
Title: Regulatory Affairs Manager
Company: Just Energy
Phone: (714) 425-1063
Date: 09/10/2020